

C.S.

MISCELLANEOUS

UTI/POW/1#6

(Reform League)

1923.

No. 355/23

Falkland Islands
Reform League

SUBJECT.

192 3

9th May

Previous Paper.

STREET LIGHTING IN STANLEY

Correspondence from the Reform League
regarding

MINUTES.

Letter from Hon Secretary, Reform League, of 9th May 1923 — Encl (1)

V.E.

Submitted.

*Lamps are lit from April to September
on the third night after each full moon
and for every night until the third night
after the new moon.*

*by R.B.
O.D./C.S.O.
10 May 1923*

O.D./C.S.O.

*Will you please send Mr. Brown acknowledgment
then refer to Colonial Engineer for his views on
suggestions 1 + 2 in (1).*

Subsequent Paper.

*2. Colonial Engineer stated at same time that
what additional expenditure will be involved
in giving effect to suggestions must be ascertained
the sum which he may have to make for*

improvement of existing arrangements.

3. The Kitson lights give much trouble in high winds & incense an costly. Has Col. Sugden considered suitability of any other type of lamp e.g. acetylene. Was an acetylene lamp not used a some years ago as an experiment: if so what was the result of the experiment?

4. Request is made for improvement of lighting arrangements during present winter. I hope Col. Sugden will be able to give forward proposals without delay: if receiving my para 3 can be dealt with later.

Yr.

10 May 1923.

Letter to Hon. Secy. Reform League, 11.5.23. Encl. (2).
Colonial Engineer.

Accordingly.

W.H.B.

02/5/23

11 May 1923

The Hon. Col. Secy.,

With reference to the proposed extension of the period for the lighting of the Street Lamps as suggested by the Falkland Islands Reform League under (1) in their letter of the 9th. May.

2. The present period of lighting is from the third night after the date of the full moon to the third night after

the new moon/

the new moon giving about 16 nights lighting. The suggested alteration is that lighting shall commence two nights ¹¹ before the date of the last quarter of the moon and continue until two nights after the date of the first quarter, being about 21 nights lighting. The lighting would commence two nights later and continue 7 nights later than at present, making a total extra lighting of 5 nights per period.

3. The lamplighter, who receives a salary of £145 per annum, would have to do extra duty (night work) and would not have so long during the non-lighting periods for the overhaul of the lamps etc. It is also very probable that during mid-winter lightings he would require assistance in oiling.

4. When estimating for the possible increase in cost due to extension in period of lighting the above has to be taken into consideration: the following is a rough estimate of extra cost:

	£
To fuel (petrol and shale oil)	32 per ann.
To mantles	1 " "
To probable extra to lamplighter	15 " "
To " assistance	2 " "
	<u>£50.</u>

5. In this connection I am of opinion that an extension of the lighting period is desirable.

6. With regard to (2) of the above mentioned letter: It is not clear what is proposed as it is not practicable to keep the lamps in working order during the non-lighting period. I would suggest that arrangements be made for two good lights to be placed on the Public Jetty to replace the present lamps which are most unsatisfactory. The two lights always to be lit when a mail or cargo boat is in port irrespective of the phase of the

moon, and to remain/

moon , and to remain lit each night until all communication between the vessel and the shore is finished. The constable on duty could be instructed to put the lights out accordingly. The Town lights in any case are always put out between 10 and 11 p.m. each night during the lighting period.

7. In addition to the above I would suggest that the period for the year be extended, the extension being that lighting commence in March and continue to October in each year.

8. The acetylene lamp ordered in 1919 is not at all suitable for a street lamp as it is a hand lamp with burner and reflector (the reflector has not been supplied). The necessary fittings will be made as soon as circumstances will permit and a trial made with the light in one of the old street lamps - the one outside the Police Station. Even should the light be good I do not think that it would be wise to alter the street lamps from oil to acetylene owing to the great risk of the water in the acetylene generator freezing during the winter months.

9. Attention is being given to the possibility of installing lights worked with acetylene dissolved in acetone and stored in steel cylinders. The first cost will undoubtedly be high but it is hoped that the maintenance will be low and the efficiency very much in advance of that at present experienced. A further report will be submitted when the scheme has been fully worked out.

R. B. Aschley
Colonial Engineer.

15/5/23.

V.E. Submitted
W.A.B.
02/05/23
16th May 1923

O.C./C.S.O.

Can you trace the paper in which former arrangements were approved about 13 years ago?

GR
18 May 1923

The original instructions are contained in M.P. 206/06 and a copy has been made for inclusion in this paper.

Encl. (3)

GR
O.C./C.S.O.
21 May 1923

O.C./C.S.O.

Thank you.

2 Draft letter attached.

3. After issue of letter please refer papers (with 206/1906) for further reference as to terms on which a formal summary of findings.

GR
23 May 1923

Letter to Hon. Secy. Reform League,
25th May, 1923. Encl. (4).

Colonial Engineer.

Referred for further report

GR
O.C./C.S.O.
25 May 1923

The Hon. Col. Secy.,

Copy of instructions to
Lampighter herewith.

2. The lamps will be lit to night as suggested by the Reform League, but I am of opinion that the lamps should have been lit on Saturday night as under the original arrangement. On Saturday evening it was dark until 8 and last night it was dark until 9-30 p.m. The lighting period could with advantage be extended but the exact number of nights should, I think, be left an open question; the weather conditions being taken into consideration. It is hoped to be able to arrange to have the lamps in working order during the non-lighting periods in the season; under this arrangement the lamps can be kept going until the new moon is well up.

3. Having acted according to the suggestion put forward by the Reform League in this instance and the alteration not having proved satisfactory, I shall be glad to know if the lighting up is to continue on these lines or to revert to the original time - next moon will be worse as the nights are longer.

R. B. Aschey

Colonial Engineer.

4/6/23.

J. E.

The Colonial Engineer's suggestion that the actual number of nights on which lamps should be lit should to some extent be dependent on weather conditions could, no doubt, overcome much of the dissatisfaction that

is expressed regarding street-lighting.

2. The Reform League might be informed that their suggestions have not proved satisfactory in practice and that it is considered that the original arrangement would be a more suitable one if varied at times when weather conditions requires an extension of the lighting period.

G.H.B.

O.C.S.

5 June 1923

It is better to have fixed times. The R.F. placed the first date too high too late. The original and better practice there should be revised to, giving 7 additional nights of lighting during the period.

~~ttttt~~ 5 June 23
Colonial Engineer.

To order.

G.H.B.

O.C.S.

7 June 1923.

The Hon; Col; Secretary.

Noted and returned.

R. S. Aschley.
Col; Engineer.

16/6/23.

Colonial Engineer,
Will you please submit
report required in para 3 of
Governor's minute of 23 May
1923.

W. H. B.
Di C/Sec
30 July 1923

The Hon. Col. Secy.,

The general question of lighting involves considerable consideration as no ~~type~~ great improvement can be made without alteration of type and system.

2. I fear that it is not possible for me at the present juncture ^{to devote} the time and consideration necessary to a matter involving so large an expenditure; further I hope shortly to receive catalogues from England giving prices of the A.G.A. lights working on acetylene dissolved in acetone: It is a plant working on that system which I have in view.

R. S. Aschley.
Colonial Engineer.

24/8/23

W. H. B.
Submitted.

W. H. B.
Di C/Sec
25 Aug 1923

O.C.

~~I have expected you to
the fact that the report
of his committee
will be the same as the
others~~

The Consulting Engineer has
reported on the general question of
lighting and it does not seem
that in view of ~~the~~ his observations
anything can be done at present in
that matter

The A.G.B. catalogues asked for
a year ago do not appear to have
arrived vide ltr 465 (encl. 4)

Ask C.E. by letter please to
obtain the catalogues

~~W.H.H.~~ 27 Aug 23

Letter to Crown Agents, 20/9/23. Encl. (6)

Crown Agents Letter of 6th Feb: 1924 — Encl (7)

Letter from Gas Accumulator Co

of 4th December 1923 — Encl (7A)

Letter from Allan-Siversidge Ltd

of 20th Dec: 1923 — Encl (7B)

Letter from Allan-Siversidge Ltd

of 24th Jan 1924 — Encl (7C)

Letter from Acetylene Corporation of

Gr. Britain of 30th Jan 1924 — Encl (7D)

Colonial Engineer.

Referred.

9/4/23

C.E.S.

7 April 1923

The Hon. Col. Secy.,

Noted.

2. The description of lamp offered by Messrs Allen-Liversidge Ltd., in their quotation of the 20th of December 1923, is the type of lighting I had in view.

3. The present lamps at the end of the Public Jetty are of the ordinary duplex type and when most required on dark and stormy nights are most difficult to keep in.

I would suggest that, as an experiment, one of the lamps as specified, with two cylinders, be obtained and placed on the Public Jetty.

The estimated cost for lamp pillar £
and burner outfit, complete, say.....20 f.o.b.

Two 200 cu.ft. charged cylinders
capable of giving 266 hours light
through a $\frac{3}{4}$ cu.ft. burner each, say..... 46 f.o.b.

Freight, Packing, etc..... 14 £80.

Considering the number of hours this lamp would be lit two cylinders would be sufficient for several years and the lamp could be lit at any time.

4. It is rather doubtful whether the illuminating power of this outfit would be sufficient for street lighting, but, in the event of the lamp giving satisfactory results, the question of changing the street lighting from oil to dissolved acetylene might then be considered.

R. S. Ascher

Colonial Engineer.

9/4/24.

Submitted

GRH. 13

Di'fser

" April 1924.

£80 first cost of a 20 c.p. light
seems a lot to pay.

Bring up 14: way as other proposals
are under consideration

~~ttttt~~ " April 24

Y.B.

Submitted

Y.B. does not I think intend
that any alteration be made
at present is the lighting of
the house.

~~ttttt~~ 14 May '24

H.C.S.

No alteration should be made
at present but this can be done
we say in 3 months

H.C.

29 May 1924

C.B. In note

~~ttttt~~ 29 May 24

The Hon; Col; Sec;

Thank you.

Noted and returned.

W. J. [unclear]
Col; Engineer.

5/6/24.

Noted for bringing
up 1st Sept 1924
H.C.

Y.S.
Submitted

1 Sept. 24

H.P.S.

Provision can be made in estimates
(£80) for lamp as recommended in
Col. Engineer's Minute of 9th April

M.

18 Oct 1924.

The Hon. Col. Secy.,

I beg to submit herewith a draft indent for
lamp. A F.R. under Head XVIII., item 6, will be
submitted to cover the estimated cost if the indent
is approved.

M. J. J. J.

Colonial Engineer 1/2

9/3/25.

Indent
in H.P.
I B/25.
F.R. entered in
H.P. 10/25

Lest 1924

P.A.
12/7/31

The Falkland Islands Reform League,

Stanley,

May 9th 1923.



Sir,

At a meeting of the F.I. Reform League, held on the 23rd ult., I was instructed to approach you in the matter of street lighting in Stanley at night time.

The present system does not seem to cover the necessity for lighted streets when the moon, sometimes even when full, is so totally obscured by clouds that the inconvenience caused to, and the possibility of danger to, pedestrians is very real.

While appreciating the need for a certain economy in this direction, the League feels that additional periods during which the streets should be lighted are really necessary. They are prepared to discuss any suggestions further with you should you decide to consider the matter, but meanwhile they beg to put forward the following preliminary suggestions for the consideration of His Excellency the Governor:-

(1). That the street lamps should be lit, except during the summer months, for the whole of the periods from two days before the date of the last quarter of the moon until two days after the date of the first quarter.

(2). That the lamps should be lit whenever a mail or cargo steamer (excluding the coasting steamer, s.s. Falkland) is in the harbour or Port William at night, irrespective of the phase of the moon.

I have the honour to be,

Sir,

your obedient servant,

William A. Bartram

Hon. Secretary

Yours,

Colonial Secretary.

25th May,

23.

Sir,

In continuation of my letter No. 355/23 of the 11th of May, I am directed by the Governor to inform you that with a view to improving the street lighting in Stanley effect will be given to the suggestion made in your letter of the 9th of May that the lamps should be lit for the whole of the period from two days before the date of the last quarter of the moon until two days after the date of the first quarter throughout the present winter and that the lighting will be continued during the month of October.

2. This arrangement will reduce considerably the period available for overhauling the working parts of the lamps and for recharging the cylinders and putting them under pressure but endeavour will be made to provide a modified lighting service, irrespective of the phase of the moon, when a mail steamer is in harbour.

3. I am to add that enquiry is being made as to the possibility of replacing the lamps on the public jetty by a more powerful type of lamp.

I am, Sir,

Your obedient servant,

Mr. W. A. Bartram,

Honorary Secretary,

Falkland Islands Reform League,

Stanley.

G. R. L. Brown,

for Colonial Secretary

From M.P 206/06

(3)

Instructions for Street Lamp-lighter.

1. Lamps are to be lit three days after the full moon, and to be kept lighted until six days after the new moon.

2. At the end of each period of lighting, the lamps will be taken into the Store-Room in the Gaol and thoroughly cleaned. All the vaporisers should be cleaned at the same time.

3. All Lantern Glasses should be thoroughly cleaned before the Lamps are put out again.

4. The day before the Lamps are required, all oil tanks should be filled, the lamps placed in the lanterns and all necessary connections made.

5. Clean Vaporisers should be put in every third night.

6. After the Lamps are lit, the lamp-lighter will go round occasionally and see that the lamps are burning brightly as they require picking up now and then, the jet being so small that small particles of carbon corrode and stop the gas from passing, this causes the light to flare.

(Signed) D. J. Sullivan,

Approved

(Signed) T.A.V. Best,

Administrator.

26th May, 1910.

Instructions for Street Lamp-lighter.

1. Lamps are to be lit two nights before the date of the last quarter of the moon and continue until two nights after the date of the first quarter.
2. Lamps are to be kept in working order during the non-lighting period of each month during the lighting season of each year, ready to be lit at short notice.
3. Lamps at the end of the public jetty are to be lit whenever a mail boat is in the port, irrespective of the phase of the moon.
4. All lantern glasses to be kept clean and bright.
5. Clean vapourisers should be put in every third night.
6. After the lamps are lit the lamp-lighter will go round occasionally and see that the lamps are burning brightly as they require picking up now and then, the jet being so small that small particles of carbon corrode and stop the gas from passing, this causes the light to flare.

Colonial Engineer.

355/23.

20th September, 23.

Gentlemen,

I am directed by the Acting Governor to request that you will be so good as to ask the Gas Accumulator Company, Brentford, to send by the first opportunity catalogues containing full price lists of all goods which they supply. These are urgently required in connection with improvements, at present under consideration, regarding the street-lighting of Stanley.

I am,

Sir,

Your obedient servant,

G. R. L. Brown.
for Colonial Secretary.

The Crown Agents for the Colonies,
4, Millbank, Westminster,
London, S.W. 1.



7

ALL COMMUNICATIONS
TO BE ADDRESSED TO THE
CROWN AGENTS FOR THE COLONIES.
THE DATE OF THIS LETTER BEING QUOTED,
AND THE FOLLOWING REFERENCE: 21 W/Falkland Is. 1714.
TELEGRAMS, "CROWN, LONDON."
TELEPHONE, 7730 VICTORIA.

4, MILLBANK,
WESTMINSTER,
LONDON, S.W. 1.

6th February, 1924.

Sir,

Falkland Islands Requisition No.1714.

I have the honour to refer to your letter of the 20th September No.355/23 requesting catalogues containing price lists of goods supplied by the Gas Accumulator Co., Brentford should be forwarded, such catalogues being required in connection with matters regarding the street lighting of Stanley. We have communicated with the Gas Accumulator Co., and we enclose a copy of their reply dated 4th December, from which it will be noted that these manufacturers confine themselves entirely to marine signalling work such as lighthouse apparatus, light buoys etc., and enclosing copies of pamphlet in connection with the above.

4-12-23.

2. We therefore approached the firm of Messrs. Allen-Liversidge Ltd, who manufacture lamps etc. on the dissolved acetylene system, and we attach quotations and drawings received from them for the supply of a lighting system such as might be suitable for your consideration.

20-12-23.

24-1-24.

3. It will be noted that the quotation of the 20th December is for lamps without automatic system of ignition while the quotation of the 24th January is for lamps fitted with the automatic system ignition. It /will

The Colonial Secretary,
Falkland Islands.

GRL

will be noted that the first cost of each lamp post with one cylinder and one spare cylinder is approximately £80. 0. 0 f.o.b. and with an 18 c.p. ($\frac{1}{2}$ cub.ft.) burner one cylinder is estimated to last approximately 40 days. Taking the cost of charging a 200 cubic ft. cylinder as £2. 5. 0d. to which must be added the cost of freight to and from the Charging Station, it will be seen that this system of lighting appears to be an expensive one. Further a stock of spare cylinders would require to be kept and also a very efficient system of despatch of cylinders for re-charging would have to be maintained.

30-1-24

4. We also attach a quotation from the Acetylene Corporation of Great Britain dated 30th January, containing their proposal for ordinary acetylene generator lighting, which may be of interest.

I have the honour to be,

Sir,

Your obedient Servant,

W A Hichhart

for Crown Agents.

ON ADMIRALTY & WAR OFFICE LISTS.

ENGINEERS.

MANUFACTURERS OF COMPLETE PLANT FOR
ALL FORMS OF LIGHTING, WELDING, CUTTING, ETC.

CONTRACTORS TO
H.M. GOVERNMENT.
THE PRINCIPAL
RAILWAY COMPANIES.
BOROUGH & COUNTY COUNCILS.
CROWN AGENTS FOR THE COLONIES,
ETC.

THE CORPORATION OF GREAT BRITAIN, LTD

Victoria Street, Westminster.

Marks,
19, ESHER STREET,
WESTMINSTER.

f:- PB/MAG.

30th January 1924.

Chief Engineer,
Crown Agents for the Colonies,
4, Millbank,
WESTMINSTER, S.W.1.

Dear Sir,

Your ref:- W/Falkland Is.1714

With further reference to your letter of the 24th inst.,
regarding street lighting in the Falkland Islands.

In the absence of any further particulars from you
as to the number of lamps required or even a rough plan of
the town it is proposed to illuminate, it is rather difficult
for us to put forward any definite proposition.

We rather gathered, however, that as many as 50 or
60 lights would be needed and if anything like this number
was required we think it would be well worth the while of
the authorities to seriously consider installing a central
generating plant and running pipes to the different positions
where they would require street lamps, and supplying these
lamps with gas from the central generator.

If a plan of the town could be sent to us we should be
very pleased to submit a scheme and estimate. The cost of
such a scheme need not be excessive and as a rough guide
we might mention that, assuming there were 60 lights, the
acetylene generating plant could be supplied for about
£65. 0.0. To this would have to be added the cost of
the wooden or metal lamp standards, which could doubtless
be procured for a small sum on the spot, or could be
supplied by us, and the top lantern as per sketch enclosed,
and of course the material for the gas main and the cost
of laying this.

If a comparatively small number of lamps were required



HULL
LEEDS
GRIMSBY
PRESTON
MANCHESTER
NOTTINGHAM
NEWARK
YARMOUTH
KING'S LYNN
IPSWICH
ROCHESTER
QUEENBORO'
SWANSEA
BRISTOL
GLOUCESTER
PLYMOUTH
DUBLIN
BELFAST
GLASGOW
ABERDEEN
GRANGEMOUTH
ETC. ETC

MAKERS OF
OXY-ACETYLENE
PLANT AND
ACCESSORIES
PORTABLE LAMPS
LIGHTING PLANT
INSTALLATIONS
FOR
HOUSES
CHURCHES
ETC ETC.

we think probably the best course would be to utilise our street lighting self contained generator as illustrated on the last page of our flare list which we enclose, and to use this in conjunction with the street lantern as illustration herewith and which could be secured to wooden posts which might even be procurable locally. These self contained generators will supply a light of approximately 50 candle power for a period of about six hours without attention. Such a generator would need recharging each day and if a number of lights were required this might become quite a problem. We therefore think that for any number, particularly if the area is not too scattered, that the central generator would be much more preferable.

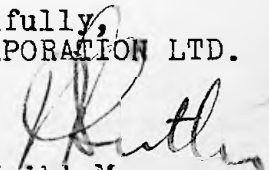
The position therefore would be that if self contained generators were required the cost per lamp would be as under:-

Self contained generator.....	£2.17.6
Street lantern head complete with frog and ladder bar, as illustration.....	3. 2.6
	<hr/>
	£6. 0.0

plus the cost of any post.

We enclose with this letter copies of our lighting generator list in duplicate and shall be very pleased to go more fully into the matter upon receipt of some further information from you.

Yours faithfully,
THE ACETYLENE CORPORATION LTD.


Joint Manager.

Enc/-

TELEPHONE:
VICTORIA 9226-7-8 & 9.

CODES: { MARCONI INTERNATIONAL.
A.B.C. 4", 5" & 6" EDITIONS.
WESTERN UNION, LIEBER'S.

TELEGRAMS:
"ACETERATOR, SOWEST, LONDON"



ALLEN-LIVERSIDGE, LTD.

WITH WHICH ARE AMALGAMATED
IMPERIAL LIGHT, LTD.
AND
THE DISSOLVED ACETYLENE CO. LTD.



Factories:

BELFAST, GLASGOW,
BIRMINGHAM, HULL,
CARDIFF, LIVERPOOL,
LONDON, BATTERSEA,
CLAPHAM,
PECKHAM,
POPLAR,
NEWCASTLE-ON-TYNE.

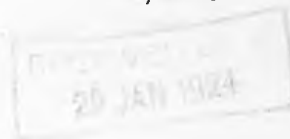
106, VICTORIA STREET,
LONDON, S.W.1.

Head Office:
106, VICTORIA STREET, S.W.1.
123, VICTORIA STREET, S.W.1.
also at
ADELAIDE (S. AUS)
BRISBANE (QUEENSLAND)
MELBOURNE (VIC)
SYDNEY (N.S.W.)
AND
JOHANNESBURG.



The Crown Agents for the
Colonies,
4, Millbank,
S.W.1.

24th January, 1924.
HJM/MAP.



Dear Sirs,

Your ref. W/F.ISLANDS 1714.

With regard to our recent correspondence under the above reference and the quotations previously submitted, we have now been able to fully consider the points raised in your letter of the 2nd instant and give you the following information.

(a). We have a standard fitting which arranges for automatic self-lighting and self-extinguishing at nightfall and daylight respectively and we have revised our specification and included for this fitting.

(b). We attach hereto detailed blue print showing the general arrangement of the lamp-post fully dimensioned and further attach a hand sketch of the type of lantern which we would propose to supply.

25/1

(c). Candle Powers. - a $\frac{1}{2}$ ft. Acetylene Burner gives 18 c.p. and a $\frac{3}{4}$ ft., 28 c.p., and for comparison we would inform you that a standard Batwing Coal-gas Burner of 5 c.ft. capacity gives 10 c.p. and an incandescent Coal-gas Burner consuming $1\frac{1}{2}$ c.ft. gives 25 c.p. We would amplify the above by giving you the approximate time the 200 c.ft. cylinder would last. If a $\frac{1}{2}$ c.ft. burner is used and reckoning an average lighting period of 10 hours per day, the 200 ft. cylinder would last for a period of approximately 40 days. If a $\frac{3}{4}$ c.ft. burner is used, taking a 10 hour per day lighting period, the cylinder would last for approximately 26/28 days. You will note in our specification that we have allowed for a time switch which runs for a period of 45 days on the one winding.

W Carter

Crown Agents for the Colonies.

24.1.24.

(d). With regard to Charging Stations, we would inform you that the Chilean Government have a Station at Valparaiso and there is also a commercial Company operating charging stations at Rio de Janeiro, and we think that the cylinders could be recharged at either of these places. As an alternative we are obtaining the rates for cylinders shipped from this country and as soon as we have this information we will pass same on to you. We would recommend that each Lam-post be supplied with a spare 200 c.ft. capacity cylinder.

We trust that you now have all the information necessary to enable you to fully consider this matter, but the writer will be pleased to visit you at any time to go further into the matter, should you desire to do so.

Yours faithfully,

For and on behalf of

Allen-Liversidge, Ltd.

H. J. Metcalf

JOINT SALES MANAGER.

Qtn. Drg.

FACTORIES:

BELFAST,
CARDIFF,
GLASGOW,
HULL,
LIVERPOOL,
LONDON, BATTERSEA,
" CAMBERWELL,
" CLAPHAM,
" LAMBETH,
" PECKHAM,
" POPLAR,
NEWCASTLE-ON-TYNE,

ALSO AT
123, VICTORIA STREET, S.W.1.
MELBOURNE, VIC. SYDNEY, N.S.W.
AND NEW YORK



ALLEN-LIVERSIDGE, LTD.

WITH WHICH ARE AMALGAMATED
THE DISSOLVED ACETYLENE CO. LTD.
AND
IMPERIAL LIGHT LTD.

PURCHASERS
OF THE BUSINESS OF
W.A.S. BENSON & CO. LTD.
LATE OF
NEW BOND STREET, W.

TELEPHONE:
4155 VICTORIA
(PRIVATE BRANCH EXCHANGE)

TELEGRAMS:
"ACETERATOR, SOWEST, LONDON"

CODES:
MARCONI INTERNATIONAL
A.B.C. 4th 5th & 6th EDIMBURG.
WESTERN UNION
LIEBER'S.

HEAD OFFICES:

106, VICTORIA STREET,
LONDON, S. W. 1.

QUOTATION.

24th January, 1924.
HJM/MAP.

To The Chief Engineer,
Crown Agents for the Colonies,
4, Millbank, S.W.1.

STREET LIGHTING AT PORT STANLEY, FAIRLAND ISLANDS.

SELF CONTAINED STREET LAMP-POSTS using Dissolved Acetylene in Cylinders of 200 c.ft. capacity. The separate price for these cylinders is given you below.

Each lamp to consist of Cast Iron Lamp Pillar, height above ground either 7 or 9 ft., underground part 1'6", base approximately 13 $\frac{1}{2}$ " outside diameter and to have a cavity of sufficient dimensions to take our 200 c.ft. capacity cylinder, which is approximately 50" high x 11" extreme diameter. This base part to be provided with a hinged door, opening 50" x 11" to allow of easy access to the cylinder and fittings inside. 16" all copper street lantern (EDGAR) Pattern), fitted with porcelain reflector and copper cone, glazed 21 oz. best English Glass and painted two coats best oil colour and with wrought iron frog to fit spigot 2 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ ". Brass Burner Standard fitted with $\frac{1}{2}$ or $\frac{3}{4}$ ft. per hour "ECLA" Atmospheric Acetylene Burner, necessary length of solid drawn steel piping fitted at bottom end with necessary pressure regulator and bull-nosed connector for attachment to our 200 c.ft. capacity Acetylene Cylinder. A cast iron case is fitted between the lantern and the top of the cast pillar to take our standard 45 day Time Switch Ignition Coil and Dry Battery, and all necessary connections to allow of automatic self-lighting and extinguishing at any pre-determined period.

All the above arranged in accordance with our Drawing No. D.A.666 attached

£32. 10. 0.
NETT.

For a minimum quantity of one dozen.

Packing at cost, per lamp-post and fittings

2. 10. 0.
NETT.

FACTORIES:

BELFAST,
CARDIFF,
GLASGOW,
HULL,
LIVERPOOL,
LONDON, BATTERSEA,
" CAMBERWELL,
" CLAPHAM,
" LAMBETH,
" PECKHAM,
" POPLAR,
NEWCASTLE-ON-TYNE.

ALSO AT
123, VICTORIA STREET, S.W. 1.
MELBOURNE, VIC. SYDNEY, N.S.W.
AND NEW YORK.



ALLEN-LIVERSIDGE, LTD.

WITH WHICH ARE AMALGAMATED
THE DISSOLVED ACETYLENE CO. LTD.
AND
IMPERIAL LIGHT LTD.

PURCHASERS
OF THE BUSINESS OF
W.A.S. BENSON & CO. LTD.
LATE OF
NEW BOND STREET, W.

TELEPHONE:
4155 VICTORIA.
(PRIVATE BRANCH EXCHANGE)

TELEGRAMS:
"ACETERATOR, SOWEST, LONDON"

CODES:
MARCONI INTERNATIONAL,
A.B.C. 4th 5th & 6th EDITIONS.
WESTERN UNION,
LIEBER'S.

HEAD OFFICES:

106, VICTORIA STREET,
LONDON, S. W. 1.

QUOTATION.

24th January, 1924.
HJM/MAF.

To Crown Agents for the Colonies.

-2-

DISSOLVED ACETYLENE CYLINDER of 200 c.ft. capacity, Type XD,
filled with patented porous material, acetone solvent
and complete with wooden transport crate

£22. 15. 0.
NETT.

Length 44 1/2" x 10 1/2" dia. Approx. weight without gas
158 lbs.

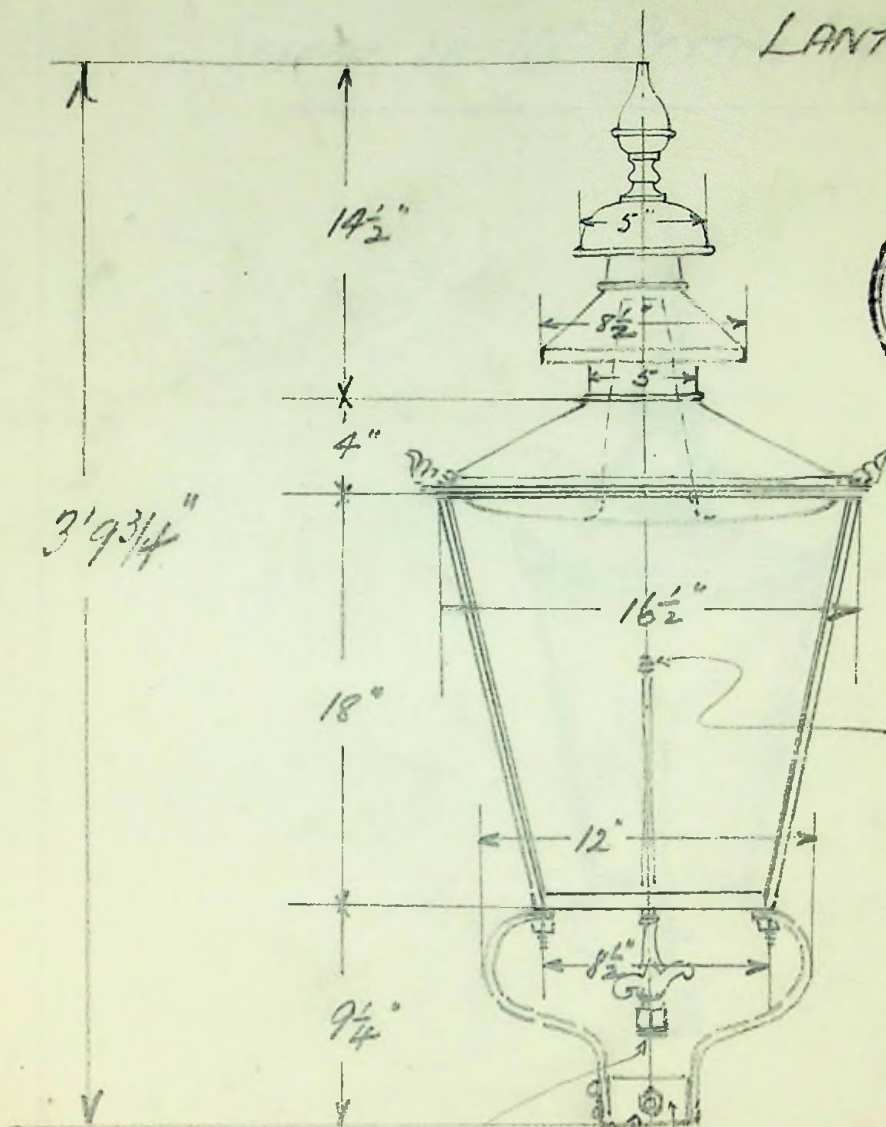
Gas in the above Purchased Cylinder would be supplied
at the rate of £8.17.6. per 1,000 c.ft. at our
London Compressing Works.

For and on behalf of

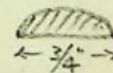
Allen Liversidge, Ltd.
R. J. Melcar
JOINT SALES MANAGER.

TERMS: NETT CASH MONTHLY SETTLEMENT.

*DIMENSIONED SKETCH
OF 16" CAXTON "H"
LANTERN.*



*SCREWED TO SUIT
YOUR BURNER.*

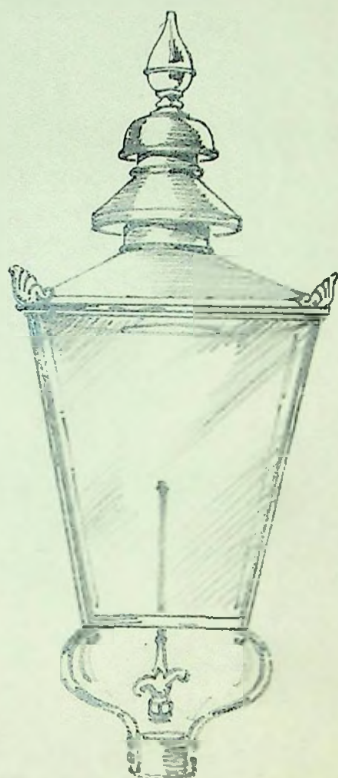


*COLLAR OF 2" x 3/8" IRON
2 3/4" DIA. INSIDE CLEAR
OF RIVET HEADS.*

*3. 3/8" WHIT
SET SCREWS.*

SCREWED 1/2" BARREL. FEMALE.

SKETCH OF 16" CAXTON "H" LANTERN.



OFFICES & WORKS:

BELFAST,
BIRMINGHAM,
CARDIFF,
COVENTRY,
GLASGOW,
HULL,
LIVERPOOL,
LONDON, BATTERSEA,
CLAPHAM,
PECKHAM,
POPLAR,
NEWCASTLE-ON-TYNE,

ALSO AT
123, VICTORIA STREET, S.W.1.

AND
MELBOURNE, (VIC), SYDNEY, (N.S.W.)
ADELAIDE, (S.A.) AND NEW YORK.



ALLEN-LIVERSIDGE, LTD.

WITH WHICH ARE AMALGAMATED

IMPERIAL LIGHT, LTD.

AND

THE DISSOLVED ACETYLENE CO. LTD.

TELEPHONE:
4155 VICTORIA
(PRIVATE BRANCH EXCHANGE)

TELEGRAMS:
"ACETERATOR, SOWEST, LONDON"

CODES:
MARCONI: INTERNATIONAL.
A.B.C. 41: 51 & 61: EDITIONS.
WESTERN UNION.
LIEBER'S

7B

HEAD OFFICES

106, VICTORIA STREET,
LONDON, S.W.1.

20th December, 1923.

WJH/IMP.

The Chief Engineer,
Crown Agents for the Colonies,
4, Millbank, S.W.1.

Dear Sir,

YOUR REF. W/PALMISLAND IS. 1714.

Further to mine of the 15th instant regarding your enquiry of the 12th December, we have now been able to complete our specification for the self-contained lamp-posts which we would recommend for the lighting scheme at Port Stanley, Falkland Islands. We have included in this scheme for the supply of our 200 c.ft. capacity Dissolved Acetylene Cylinder, which when used with a 3 ft. burner in the lantern would give 400 hours lighting without the cylinder having to be changed. With a larger burner, viz. 4 ft., the number of hours burning which would be obtained would be approximately 266, before the cylinder would have to be changed.

According to the number of lamp-posts which are required to be in service at the same time, we would recommend a certain number of spare cylinders being supplied, so that arrangements for continuous supplies of Dissolved Acetylene could be effected.

We trust that the information given you will enable you to further consider this matter, but we shall be pleased to give you any further advice or help in the matter.

For and on behalf of

Yours faithfully, *Allen-Liversidge, Ltd.*

JOINT SALES MANAGER

FACTORIES:
 BELFAST,
 CARDIFF,
 GLASGOW,
 HULL,
 LIVERPOOL,
 LONDON, BATTERSEA,
 " CAMBERWELL,
 " CLAPHAM,
 " LAMBETH,
 " PECKHAM,
 " POPLAR,
 NEWCASTLE-ON-TYNE.

 ALSO AT
 123, VICTORIA STREET, S.W.1.
 MELBOURNE, VIC. SYDNEY, N.S.W.
 AM. NEW YORK.



ALLEN-LIVERSIDGE, LTD.

WITH WHICH ARE AMALGAMATED
 THE DISSOLVED ACETYLENE CO. LTD.
 AND
 IMPERIAL LIGHT LTD.

PURCHASERS
 OF THE BUSINESS OF
 W.A.S. BENSON & CO. LTD.
 LATE OF
 NEW BOND STREET, W.

TELEPHONE:
 4155 VICTORIA.
 (PRIVATE BRANCH EXCHANGE)

 TELEGRAMS:
 "ACETERATOR, SOWEST, LONDON."

 CODES:
 MARCONI INTERNATIONAL,
 A.B.C. 4th, 6th & 8th EDITIONS.
 WESTERN UNION,
 LIEBER'S.

HEAD OFFICES:

106, VICTORIA STREET,
 LONDON, S.W.1.

QUOTATION.

20th December, 1925.
 HJH/LMP.

To The Chief Engineers,
 Crown Agents for the Colonies,
 4, Millbank, S.W.1.

STREET LIGHTING.

SELF-CONTAINED STREET LAMP-POSTS using Dissolved Acetylene
 in Cylinders of 200 c.ft. capacity. The separate
 price for these cylinders is given you below.

Each Lamp to consist of Cast Iron Lamp Pillar, height
 above ground either 7 or 9 ft., underground part 1'6",
 base approximately 13 1/2" outside diameter and to have
 a cavity of sufficient dimensions to take our 200 c.ft.
 capacity cylinder, which is approximately 50" high x
 11" extreme diameter. This base part to be provided
 with a hinged door, opening 50" x 11" to allow of easy
 access to the cylinder and fittings inside.

16" all copper street lantern (WEGAR Pattern) fitted
 with porcelain reflector and copper cone, glazed 21 oz.
 best English Glass and painted two coats best oil
 colour and with wrought iron frog to fit spigot 2 1/2" x 2 1/2".
 Also fitted with Patent double anti-friction Roller Trap
 for Torch Lighting. Brass Burner Standard fitted with
 1/2 c.ft. per hour "WELMAN" Atmospheric Acetylene Burner,
 necessary length of solid drawn steel piping fitted at
 bottom end with necessary pressure regulator and bull-
 nosed connector for attachment to our 200 c.ft.
 capacity Acetylene Cylinder.

(With the 200 c.ft. capacity Cylinder and the above
 lamp-post fitted with a 1/2 c.ft. Burner there would be
 an approximate run of 400 hours lighting before it would
 be necessary to change the cylinder. If a 1 c.ft. burner
 was fitted, 266 hours lighting would be obtained).

PRICE EACH, at our Works	£17. 10. 0.
(For a minimum quantity of one dozen).	NETT.

Packing extra at cost, would be approximately per lamp-post and fittings	2. 10. 0.
	NETT.

TERMS: NETT CASH MONTHLY SETTLEMENT.

CONT'D.

For and on behalf of
 Allen Liversidge Ltd.
 JOINT SALES MANAGERS

FACTORIES:

BELFAST,
CARDIFF,
GLASGOW,
HULL,
LIVERPOOL,
LONDON, BATTERSEA,
" CAMBERWELL,
" CLAPHAM,
" LAMBETH,
" PECKHAM,
" POPLAR,
NEWCASTLE-ON-TYNE.

ALSO AT
123, VICTORIA STREET, S.W.1.
MELBOURNE, VIC. SYDNEY, N.S.W.
AND NEW YORK.



ALLEN-LIVERSIDGE, LTD.

WITH WHICH ARE AMALGAMATED
THE DISSOLVED ACETYLENE CO. LTD.
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LATE OF
NEW BOND STREET, W.

TELEPHONE:
4155 VICTORIA
(PRIVATE BRANCH EXCHANGE)

TELEGRAMS:
"ACETERATOR, SOWEST, LONDON"

CODES:
MARCONI INTERNATIONAL,
A.B.C. 4th, 5th & 6th EDITIONS.
WESTERN UNION
LIEBER'S.

HEAD OFFICES:

106, VICTORIA STREET,
LONDON, S. W. 1.

QUOTATION.

26th December, 1923.

HJA/MBP.

To
Chief Engineer,
Crown Agents for the Colonies.

-2-

STREET LIGHTING (CONTD).

DISSOLVED ACETYLENE CYLINDER of 200 c.ft. capacity, Type KD,
filled with patented porous material, acetone
solvent, and complete with wooden transport crate

Length 44½" x 10½" diameter. Approx. weight
without gas 150 lbs.

Gas in the above Purchased Cylinder would be
supplied at the rate of 32.17.6. per 1,000 c.ft.
at our London Compressing Works.

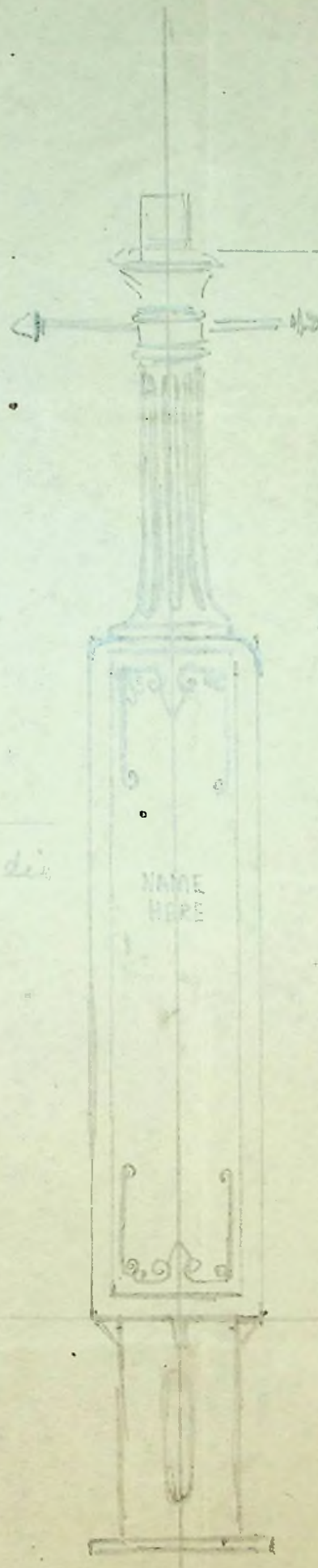
322. 15. 0.
NETT.
At Works.

For and on behalf of

Allen-Liversidge, Ltd.

H. G. Murray
JOINT SALES MANAGER

TERMS: NETT CASH MONTHLY SETTLEMENT.



Door opening 50x11
Base 13x10 thick die

NAME
HERE

7-0 or any height
to 9 ft.
4-1-6

● THE GAS ACCUMULATOR CO. (UNITED KINGDOM) LTD.
Lighthouse & Marine Lighting Engineers.

TELEPHONE: EALING 636.

TELEGRAMS: AGAFAROS, BRENTFORD.

CODES: A.B.C. 5TH EDITION.
WESTERN UNION.

CONTRACTORS TO BRITISH ADMIRALTY, TRINITY HOUSE, INDIA OFFICE,
CROWN AGENTS TO THE COLONIES AND FOREIGN GOVERNMENTS.



The Chief Engineer,
The Crown Agents for the Colonies,
4, Millbank,
WESTMINSTER,
S.W.1.

Dear Sir,

We beg to acknowledge receipt of your communication of
the 30th ulto., reference W/Falkland Is. 1714.

The use of our system is entirely confined to marine
signalling work and is not adapted for the purposes of street
illumination.

We regret that we have no catalogue covering generally
all our lighthouse apparatus, the practice being to submit
details and designs in each and every case.

We attach hereto some pamphlets in duplicate illustrating
work, the nature of which we are constantly undertaking for

7a

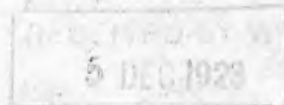
CITY OFFICE: 3, CLEMENTS INN, W.C.2.

TELEPHONE: HOLBORN 6369.

Beacon Works.

Brentford.

4th December, 1923.
Ref: WJC/JA.



M. Carter

Kayser 6/12

THE GAS ACCUMULATOR CO. (UNITED KINGDOM), LTD.

BRENTFORD.

SHEET.....2.....

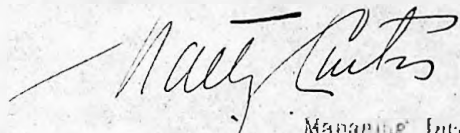
4/12/23.

Crown Agents for the
Colonies.

Trinity House and other marine Lighthouse Authorities.

Yours faithfully,

THE GAS ACCUMULATOR CO (UNITED KINGDOM) LTD



Managing Director.

Encl: Pamphlets.